REMARKS

Claim Rejections - 35 USC §103

The examiner rejected claims 1 and 10 under 35 USC §103(a) as upatentable over Moran et al. (US 6,738,205) in view of Codilian et al (US 6,091,564). The applicant respectfully disagrees.

The examiner asserts that Moran teaches to self servo write a disk drive from a reference pattern, but concedes that Moran does not teach self servo writing product servo bursts while maintaining the head in a substantially spiral trajectory. The examiner assert that because Codilian discloses to write calibration bursts along a spiral trajectory it would be obvious to modify Moran in view of Codilian to arrive at the claimed invention.

The applicant believes the above amendments to the claims overcome this rejection. Modifying Moran in view of Codilian would result in calibration bursts written along a spiral trajectory for use in calibrating the non-linearities of the head (col. 3, lines 34-58; col. 5, lines 36-46; col. 11, line 49 to col. 12, line 4). Codilian teaches, at col. 12, lines 42-50, that the calibration bursts are nominally disposable (erased or overwritten with user data), but in one embodiment several of the calibration bursts may be retained for use in later recalibrating the head. However, nowhere does Codilian disclose or suggest to use the calibration bursts for servoing the heads. Codilian teaches to use a conventional servo track writer to maintain the head in a circular trajectory while writing the normal product servo bursts used to servo the head (col. 4, lines 24-33). Further, Codilian teaches that the calibration bursts used to calibrate the head are significantly different than the normal product servo bursts used to servo the head, for example, by teaching that the calibration bursts "do not have to be full size" (col. 10, lines 3-18).

In contrast, the claims (as amended) recite to write a set of product servo bursts along a spiral trajectory for use in servoing the head during read and write operations. Nothing in Codilian would suggest this modification to Moran since Codilian teaches

<u>calibration bursts</u> written along a spiral trajectory <u>for calibrating the head</u>, whereas the claims recite <u>product servo bursts</u> written along a spiral trajectory <u>for servoing the head during read and write operations</u>. The rejection should be withdrawn.

CONCLUSION

The above amendments to the claims do not raise new issues or add new matter; the applicant respectfully requests the examiner enter the amendments. In view of the foregoing amendments and remarks, the rejections under 35 USC §103 should be withdrawn. In particular, Codilian teaches <u>calibration bursts</u> written along a spiral trajectory <u>for calibrating the head</u>, whereas the claims recite <u>product servo bursts</u> written along a spiral trajectory <u>for servoing the head during read and write operations</u>. The examiner is encouraged to contact the undersigned over the telephone in order to resolve any remaining issues that may prevent the immediate allowance of the present application.

Respectfully submitted,

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CERTIFICATE OF MAILING

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